ABSTRACT

There are described an image processing method, an image processing apparatus, an image processing program and an image recording apparatus characterized by reduced computation loads and capable of suppressing the mottled granular noise contained in color image signals and enhancing the sharpness of the image, without generating noises similar to color misregistration and false color contour appearing close to the edge. The image processing method includes the steps of: converting the image signals to luminance signals and chrominance signals; applying a Dyadic Wavelet transform processing to at least the luminance signals; suppressing a signal intensity of a high-frequency luminance component at P-th level, when the intensity of the high-frequency luminance component conforms to a specific condition; applying a Dyadic Wavelet inverse-transform processing to transformed and processed signals; and synthesizing processed luminance signals and the chrominance signals with each other to generate processed image signals.